

GenCore version 5.1.6
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OK protein - protein search, using SW model

Run on: August 1, 2003, 17:51:48 ; Search time 31 seconds
(without alignments)
1154,677 Million cell updates/sec

Title: US-10-005-691-2

Perfect score: 4351
Sequence: 1 MFTVSCSKMSIYDRDSS.....QQLSRHRTSLPSPKVPQ 846

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCYUS.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4351	100.0	846	3	US-08-885-291-55
2	4351	100.0	846	3	US-09-107-847-2
3	4351	100.0	846	3	US-09-496-672-55
4	4149.5	95.4	855	2	US-08-816-693A-2
5	4149.5	95.4	855	3	US-08-885-291-2
6	4149.5	95.4	855	3	US-09-496-672-2
7	4149.5	95.4	855	4	US-09-618-425-11
8	1966.5	45.2	824	2	US-08-785-310A-7
9	1960.5	45.1	824	3	US-08-885-291-52
10	1960.5	45.1	824	3	US-09-496-672-52
11	1957.5	45.0	824	2	US-08-816-693A-52
12	1948	44.8	816	2	US-08-785-310A-8
13	1941	44.6	816	2	US-08-816-693A-53
14	1941	44.6	816	3	US-08-885-291-53
15	1941	44.6	816	3	US-09-496-672-53
16	1916.5	44.0	747	2	US-08-816-693A-51
17	1916.5	44.0	747	3	US-08-885-291-51
18	1916.5	44.0	747	3	US-09-496-672-51
19	457	10.5	626	4	US-08-971-188-10
20	457	10.5	626	4	US-09-374-454-21
21	437.5	10.1	625	4	US-09-618-425-13
22	430	9.9	789	4	US-08-971-188-9
23	430	9.9	789	4	US-09-374-454-22
24	424.5	9.8	602	4	US-09-374-454-19
25	412.5	9.3	1507	4	US-09-914-259-37
26	405.5	9.3	870	1	US-08-785-241-4
27	405.5	9.3	870	4	US-09-374-454-6

28	396.5	9.1	875	1	US-08-785-241-5	Sequence 5, Appl
29	395	9.1	813	4	US-09-438-833-12	Sequence 12, Appl
30	395	9.1	826	1	US-08-785-241-6	Sequence 6, Appl
31	395	9.1	826	3	US-08-480-473B-2	Sequence 2, Appl
32	395	9.1	826	3	US-08-915-213-2	Sequence 2, Appl
33	395	9.1	826	3	US-09-148-547-2	Sequence 2, Appl
34	395	9.1	826	3	US-09-335-217-2	Sequence 2, Appl
35	395	9.1	826	4	US-09-380-662-23	Sequence 23, Appl
36	395	9.1	826	4	US-09-438-833-1	Sequence 1, Appl
37	395	9.1	826	4	US-09-702-705-330	Sequence 330, App
38	395	9.1	826	4	US-09-736-457-330	Sequence 330, App
39	395	9.1	826	4	US-09-383-581-2	Sequence 2, Appl
40	395	9.1	826	5	PCT-US96-10251-2	Sequence 2, Appl
41	386.5	8.9	631	4	US-08-971-188-8	Sequence 8, Appl
42	385.5	8.9	652	4	US-09-438-833-5	Sequence 5, Appl
43	385.5	8.9	810	1	US-08-785-241-7	Sequence 7, Appl
44	384.5	8.8	485	1	US-09-374-454-4	Sequence 4, Appl
45	382	8.8	805	2	US-08-480-473B-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1									
US-08-885-291-55									
; Sequence 55, Application US/08885291A									
; Patent No. 6057125									
; GENERAL INFORMATION:									
; APPLICANT: Takahashi, Joseph S.									
; APPLICANT: Turek, Fred W.									
; APPLICANT: Plinto, Lawrence H.									
; TITLE OF INVENTION: CLOCK GENE AND GENE PRODUCT									
; FILE REFERENCE: 0290-5									
; CURRENT APPLICATION NUMBER: US/08/885,291A									
; CURRENT FILING DATE: 1997-06-30									
; EARLIER APPLICATION NUMBER: 08/816,693 / 966									
; EARLIER FILING DATE: 1997-03-13									
; NUMBER OF SEQ ID NOS: 55									
; SOFTWARE: Patentin Ver. 2.0									
; SEQ ID NO 55									
; LENGTH: 846									
; TYPE: PRT									
; ORGANISM: Homo sapiens									
US-08-885-291-55									
Query Match		100.0%;		Score 4351;		DB 3;		Length 846;	
Best Local Similarity		100.0%;		Pred. No. 0;					
Matches 846;		Conservative 0;		Mismatches 0;		Indels 0;		Gaps 0;	
QY	1	MFTVSCSKMSIYDRDSSIFDGLVEEDDKDKARVSRNKSSEKKRDQFNVLIKELGSM	60						
DB	1	MFTVSCSKMSIYDRDSSIFDGLVEEDDKDKARVSRNKSSEKKRDQFNVLIKELGSM	60						
QY	61	LPGNARKDKSVYLQKSIDELRKHKETLQASISRDMDKPTLSNEETQMLTALDG	120						
DB	61	LPGNARKDKSVYLQKSIDELRKHKETLQASISRDMDKPTLSNEETQMLTALDG	120						
QY	121	FFLAINTDGLIYSEVSTSLLEHLPDLDVDSIFNFTPEGBHSEVYKILSTHLSDSL	180						
DB	121	FFLAINTDGLIYSEVSTSLLEHLPDLDVDSIFNFTPEGBHSEVYKILSTHLSDSL	180						
QY	181	TPETLAKSKNQLFFCCHMKRTIDPKREPSIYEVYKIGFKSLNSYSSAHNGEFTQRT	240						
DB	181	TPETLAKSKNQLFFCCHMKRTIDPKREPSIYEVYKIGFKSLNSYSSAHNGEFTQRT	240						
QY	241	HRSYEDRCYFAVRLATPQTIKMCYVEEPEEFTSHSLKWFLLDHRAPITIGL	300						
DB	241	HRSYEDRCYFAVRLATPQTIKMCYVEEPEEFTSHSLKWFLLDHRAPITIGL	300						
QY	301	PEVLTSGDYVYHVDLENLAKCHEHIMQYKSKCYRFLTGQOWIMLQTHYITVH	360						
DB	301	PEVLTSGDYVYHVDLENLAKCHEHIMQYKSKCYRFLTGQOWIMLQTHYITVH	360						

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QY 361 QMNSRPEFYCTHVVSTAEVPAERREBELGIESLPEPTAADKSDSDNKNINTVSIKEA 420
DB 361 QMNSRPEFYCTHVVSTAEVPAERREBELGIESLPEPTAADKSDSDNKNINTVSIKEA 420
QY 421 LERPDHSPPTASASSSRSSKSSHTAVSPSPKPIPTDSTPRQHLPAAHKWQRRSSF 480
DB 421 LERPDHSPPTASASSSRSSKSSHTAVSPSPKPIPTDSTPRQHLPAAHKWQRRSSF 480
QY 481 SSOSINSQVSSSLTOPVMSQATNLPIDGMSQOFQSAQIGAMQHLKDQLEQRTMTEAN 540
DB 481 SSOSINSQVSSSLTOPVMSQATNLPIDGMSQOFQSAQIGAMQHLKDQLEQRTMTEAN 540
QY 541 IHRQOEELRKIQEOLQMVHGGQLQMFLOQSNPGLNGSVOLSSGNSNIQOLAPINMQG 600
DB 541 IHRQOEELRKIQEOLQMVHGGQLQMFLOQSNPGLNGSVOLSSGNSNIQOLAPINMQG 600
QY 601 VVPTNIOQSGMNTGHGTTQHMIOQOTLOSTSTQSOQNTLSGHSQOTSLPQOTSTLTAP 660
DB 601 VVPTNIOQSGMNTGHGTTQHMIOQOTLOSTSTQSOQNTLSGHSQOTSLPQOTSTLTAP 660
QY 661 LYNTMVISQPAAGSNVQIPSSMPONSTQSAATVTFQDRQIFRSQOQLVTKLVTAPVAC 720
DB 661 LYNTMVISQPAAGSNVQIPSSMPONSTQSAATVTFQDRQIFRSQOQLVTKLVTAPVAC 720
QY 721 GAVVPSMTLMGQVYATPFAATQOQOQSTLSTVQOQOQSSQEQOQLTVQPSQAQITQ 780
DB 721 GAVVPSMTLMGQVYATPFAATQOQOQSTLSTVQOQOQSSQEQOQLTVQPSQAQITQ 780
QY 781 PPOQFLOTRILHGNSTOLITSAAPLOQSTFPOSHHQHOSQOQOQLSHRRDLSLDP 840
DB 781 PPOQFLOTRILHGNSTOLITSAAPLOQSTFPOSHHQHOSQOQOQLSHRRDLSLDP 840
QY 841 SKVQPO 846
DB 841 SKVQPO 846

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RESULT 2
US-09-107-847-2
; Sequence 2, Application US/09107847
; Patent No. 6100062
; GENERAL INFORMATION:
; APPLICANT: DUCKWORTH, DAVID
; APPLICANT: MICHAHOVICH, DAVID
; TITLE OF INVENTION: NOVEL USE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,847
; FILING DATE: 30-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 97304996.8
; FILING DATE: 08-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-30003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELE: 610-407-0701

```

; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 846 amino acids
; TYPE: amino acid
; STRANDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-107-847-2

Query Match          100.0%; Score 4351; DB 3; Length 846;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 846; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLFTVSCSKMSIYVDDSSIFDGLVEEDDKRAKRVSNKSEKRRDQFVNLTKELGSM 60
DB 1 MLFTVSCSKMSIYVDDSSIFDGLVEEDDKRAKRVSNKSEKRRDQFVNLTKELGSM 60
QY 61 LPNARMKDSYVLQKSIDFLKKEITAOQSDASETRQWKRTFLSNNEFTQMLEALDG 120
DB 61 LPNARMKDSYVLQKSIDFLKKEITAOQSDASETRQWKRTFLSNNEFTQMLEALDG 120
QY 121 FFALMTDGSIIYVSESVTSLLEHLPSDLYDQSLFNPFEQGHSEVYKILSTHLESDSL 180
DB 121 FFALMTDGSIIYVSESVTSLLEHLPSDLYDQSLFNPFEQGHSEVYKILSTHLESDSL 180
QY 181 TPVYKSKNQLBECCHMLRGTTIDPEKPESTYEVYKIGNFKSLNSVSSAHNGFEETIORT 240
DB 181 TPVYKSKNQLBECCHMLRGTTIDPEKPESTYEVYKIGNFKSLNSVSSAHNGFEETIORT 240
QY 241 HRPSTEDRGVATVYATLPQFIKEMCYEPENEEFTSHSLSEWFLILDRAPPIIGYL 300
DB 241 HRPSTEDRGVATVYATLPQFIKEMCYEPENEEFTSHSLSEWFLILDRAPPIIGYL 300
QY 301 PFEVLGTSQDYHYHVDLENLAKCHEHLMQYKSKCYEFTLTKGQOWTLQTHYITVYH 360
DB 301 PFEVLGTSQDYHYHVDLENLAKCHEHLMQYKSKCYEFTLTKGQOWTLQTHYITVYH 360
QY 361 QMNSRPEFYCTHVVSTAEVPAERREBELGIESLPEPTAADKSDSDNKNINTVSIKEA 420
DB 361 QMNSRPEFYCTHVVSTAEVPAERREBELGIESLPEPTAADKSDSDNKNINTVSIKEA 420
QY 421 LERPDHSPPTASASSSRSSKSSHTAVSPSPKPIPTDSTPRQHLPAAHKWQRRSSF 480
DB 421 LERPDHSPPTASASSSRSSKSSHTAVSPSPKPIPTDSTPRQHLPAAHKWQRRSSF 480
QY 481 SSOSINSQVSSSLTOPVMSQATNLPIDGMSQOFQSAQIGAMQHLKDQLEQRTMTEAN 540
DB 481 SSOSINSQVSSSLTOPVMSQATNLPIDGMSQOFQSAQIGAMQHLKDQLEQRTMTEAN 540
QY 541 IHRQOEELRKIQEOLQMVHGGQLQMFLOQSNPGLNGSVOLSSGNSNIQOLAPINMQG 600
DB 541 IHRQOEELRKIQEOLQMVHGGQLQMFLOQSNPGLNGSVOLSSGNSNIQOLAPINMQG 600
QY 601 VVPTNIOQSGMNTGHGTTQHMIOQOTLOSTSTQSOQNTLSGHSQOTSLPQOTSTLTAP 660
DB 601 VVPTNIOQSGMNTGHGTTQHMIOQOTLOSTSTQSOQNTLSGHSQOTSLPQOTSTLTAP 660
QY 661 LYNTMVISQPAAGSNVQIPSSMPONSTQSAATVTFQDRQIFRSQOQLVTKLVTAPVAC 720
DB 661 LYNTMVISQPAAGSNVQIPSSMPONSTQSAATVTFQDRQIFRSQOQLVTKLVTAPVAC 720
QY 721 GAVVPSMTLMGQVYATPFAATQOQOQSTLSTVQOQOQSSQEQOQLTVQPSQAQITQ 780
DB 721 GAVVPSMTLMGQVYATPFAATQOQOQSTLSTVQOQOQSSQEQOQLTVQPSQAQITQ 780
QY 781 PPOQFLOTRILHGNSTOLITSAAPLOQSTFPOSHHQHOSQOQOQLSHRRDLSLDP 840
DB 781 PPOQFLOTRILHGNSTOLITSAAPLOQSTFPOSHHQHOSQOQOQLSHRRDLSLDP 840
QY 841 SKVQPO 846
DB 841 SKVQPO 846

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